

Other Grain Exports

Sorghum

Sorghum Grades and Grade Requirements

Sorghum is divided into four classes: Sorghum, Tannin sorghum, White sorghum, and Mixed sorghum. There are no subclasses in sorghum. Each class is divided into four

numerical grades and U.S. Sample grade. Special grades are provided to emphasize special qualities or conditions affecting the value of sorghum. Special grades are added to and made a part of the grade designation. They do not affect the numerical or Sample grade designation.

U.S. Standards for Sorghum

Grade	Minimum test weight per bushel (pounds)	Maximum limits of-			
		Damaged kernels		Broken kernels and foreign material	
		Heat- damaged kernels (percent)	Total damaged kernels (percent)		
				Total (percent)	Foreign material
U.S. No. 1	57.0	0.2	2.0	4.0	1.5
U.S. No. 2	55.0	0.5	5.0	7.0	2.5
U.S. No. 3 ¹	53.0	1.0	10.0	10.0	3.5
U.S. No. 4	51.0	3.0	15.0	13.0	4.5
U.S. Sample grade					

U.S. Sample grade is sorghum that:

- (a) Does not meet the requirements for the grades U.S. Nos. 1, 2, 3, or 4; or
- (b) Contains 8 or more stones which have an aggregate weight in excess of 0.2 percent of the sample weight, 2 or more pieces of glass, 3 or more crotalaria seeds (*Crotalaria* spp.), 2 or more castor beans (*Ricinus communis* L.), 4 or more particles of an unknown foreign substance(s) or a commonly recognized harmful or toxic substance(s), 8 or more cockleburs (*Xanthium* spp.) or similar seeds singly or in combination, 10 or more rodent pellets, bird droppings, or equivalent quantity of other animal filth; or
- (c) Has a musty, sour, or commercially objectionable foreign odor (except smut odor); or
- (d) Is badly weathered, heating, or of distinctly low quality.

¹ Sorghum which is distinctly discolored shall grade not higher than U.S. No. 3.

Sorghum

Definitions

Test weight (lb/bu) is pounds of grain per Winchester bushel (2.150.42 cubic inches) as determined using an approved device before the removal of dockage.

Test weight (kg/hl) is the metric system equivalent to pounds per bushel. Kilograms per hectoliter are calculated by multiplying pounds per bushel by 1.287.

Heat-damaged kernels are kernels, pieces of sorghum kernels, and other grains that are materially discolored and damaged by heat.

Damaged kernels are kernels, pieces of sorghum kernels, and other grains that are badly ground-damaged, badly weather-damaged, diseased, frost-damaged, germ-damaged, heat-damaged, insect-bored, mold-damaged, sprout-damaged, or otherwise materially damaged.

Foreign material is all matter except sorghum, which passes over the number 6 riddle and all matter other than sorghum that remains on the top of the 5/64 triangular-hole sieve.

Broken kernels are all matter which passes through a 5/64 triangular-hole sieve and over a 2.5/64 round-hole sieve.

Broken kernels and foreign material consists of the combination of broken kernels and foreign material.

Dockage is all matter other than sorghum that can be removed from the original sample by use of an approved device. Also, underdeveloped, shriveled, and small pieces of sorghum kernels removed in properly separating the material other than sorghum.

Moisture is the water content of grain as determined by an approved moisture meter. The percentage of moisture in a sample does not affect the numerical grade.

Mixed sorghum is a sorghum which does not meet the minimum requirements for any of the classes of sorghum, Tannin sorghum or White sorghum.

Table 14. U.S. Sorghum Exports: Number of lots and quantity exported by class and grade, 2001-2003

Class	Grade	2001		2002		2003	
		Number of Lots	Metric Tons	Number of Lots	Metric Tons	Number of Lots	Metric Tons
Yellow Sorghum	U.S. No. 1	1	4,027	--	--	--	--
	U.S. No. 2	265	3,713,702	302	3,836,574	276	3,481,474
	U.S. No. 3	1	5,601	--	--	1	2,567
	All lots	267	3,723,330	302	3,836,574	277	3,484,041
All Classes	U.S. No. 1	1	4,027	--	--	--	--
	U.S. No. 2	265	3,713,702	302	3,836,574	276	3,481,474
	U.S. No. 3	1	5,601	--	--	1	2,567
	All lots	267	3,723,330	302	3,836,574	277	3,484,041

-- = No lots reported in this category.

Table 15. Summary of export Sorghum quality, 2001-2003

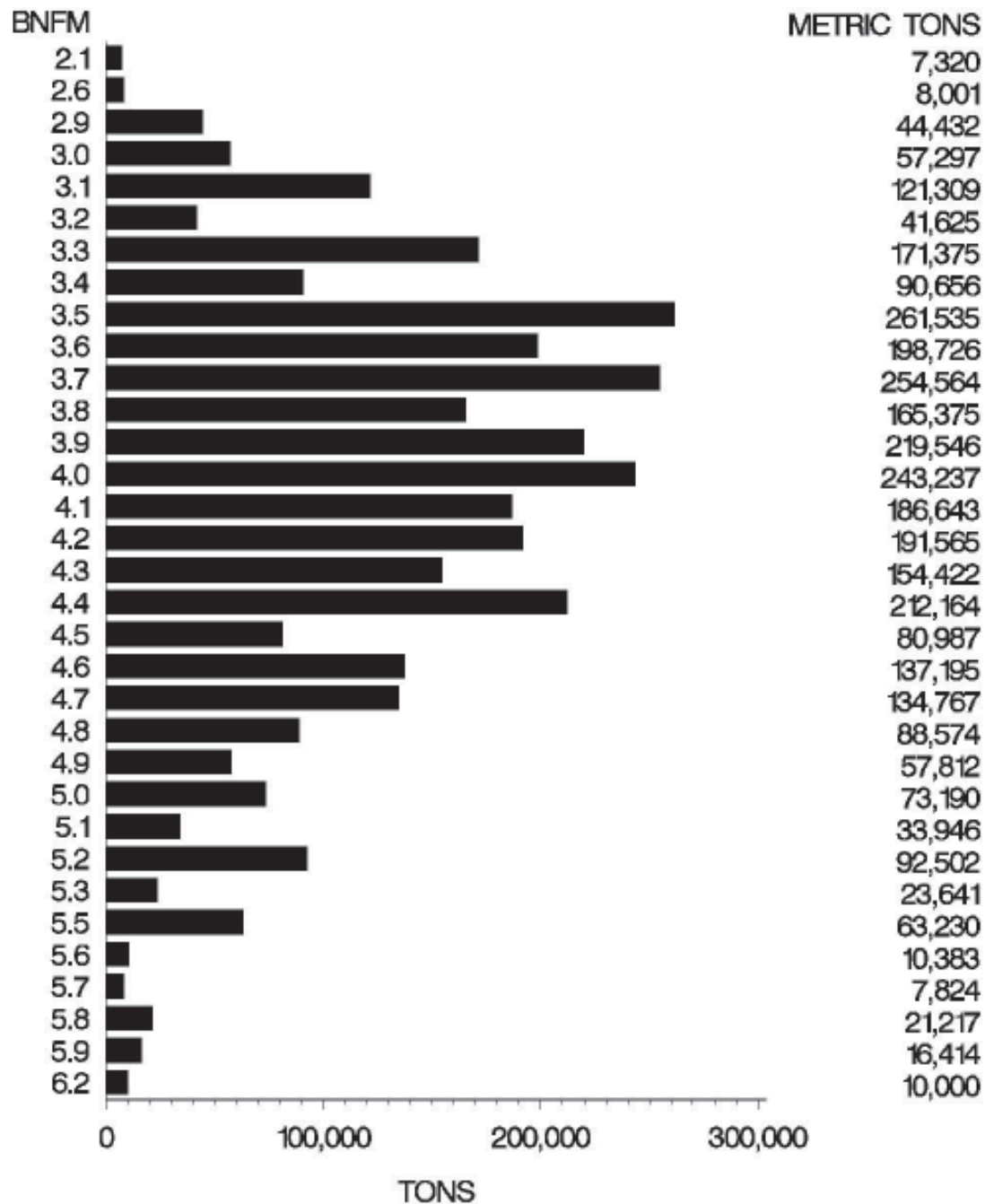
Factor	Grade	Grade Limit	2001				2002				2003			
			No. of Lots	Avg.	Low	High	No. of Lots	Avg.	Low	High	No. of Lots	Avg.	Low	High
Test Weight (lb/bu)	U.S. No. 1	57.0	1	57.8	57.8	57.8	—	—	—	—	—	—	—	—
	U.S. No. 2	55.0	265	58.0	55.3	60.3	302	58.1	55.8	59.9	276	58.0	56.3	60.5
	U.S. No. 3	53.0	1	58.7	58.7	58.7	—	—	—	—	1	59.1	59.1	59.1
	All lots	N/A	267	58.0	55.3	60.3	302	58.1	55.8	59.9	277	58.0	56.3	60.5
Test Weight (kg/hl)	U.S. No. 1	N/A	1	74.4	74.4	74.4	—	—	—	—	—	—	—	—
	U.S. No. 2	N/A	265	74.7	71.2	77.6	302	74.8	71.8	77.2	276	74.7	72.5	77.9
	U.S. No. 3	N/A	1	75.5	75.5	75.5	—	—	—	—	1	76.1	76.1	76.1
	All lots	N/A	267	74.7	71.2	77.6	302	74.8	71.8	77.2	277	74.7	72.5	77.9
Moisture	U.S. No. 1	N/A	1	13.4	13.4	13.4	—	—	—	—	—	—	—	—
	U.S. No. 2	N/A	265	13.2	11.3	14.0	302	13.5	12.1	14.4	276	13.6	12.7	14.0
	U.S. No. 3	N/A	1	12.4	12.4	12.4	—	—	—	—	1	14.0	14.0	14.0
	All lots	N/A	267	13.2	11.3	14.0	302	13.5	12.1	14.4	277	13.6	12.7	14.0
Heat-damaged Kernels	U.S. No. 1	0.2	1	0.0	0.0	0.0	—	—	—	—	—	—	—	—
	U.S. No. 2	0.5	265	0.0	0.0	0.1	302	0.0	0.0	0.2	276	0.0	0.0	0.1
	U.S. No. 3	1.0	1	0.0	0.0	0.0	—	—	—	—	1	0.0	0.0	0.0
	All lots	N/A	267	0.0	0.0	0.1	302	0.0	0.0	0.2	277	0.0	0.0	0.1
Damaged Kernels (Total)	U.S. No. 1	2.0	1	0.4	0.4	0.4	—	—	—	—	—	—	—	—
	U.S. No. 2	5.0	265	1.2	0.1	4.8	302	1.7	0.2	4.8	276	1.8	0.2	5.0
	U.S. No. 3	10.0	1	0.9	0.9	0.9	—	—	—	—	1	7.8	7.8	7.8
	All lots	N/A	267	1.2	0.1	4.8	302	1.7	0.2	4.8	277	1.8	0.2	7.8
Broken Kernels and Foreign Material	U.S. No. 1	4.0	1	3.8	3.8	3.8	—	—	—	—	—	—	—	—
	U.S. No. 2	7.0	265	4.1	2.1	6.0	302	4.0	1.4	6.1	276	4.1	2.1	6.2
	U.S. No. 3	10.0	1	5.6	5.6	5.6	—	—	—	—	1	3.8	3.8	3.8
	All lots	N/A	267	4.1	2.1	6.0	302	4.0	1.4	6.1	277	4.1	2.1	6.2
Broken Kernels	U.S. No. 1	N/A	—	—	—	—	—	—	—	—	—	—	—	—
	U.S. No. 2	N/A	41	2.7	1.6	3.4	27	2.3	1.8	4.0	29	2.6	0.8	3.4
	U.S. No. 3	N/A	—	—	—	—	—	—	—	—	—	—	—	—
	All lots	N/A	41	2.7	1.6	3.4	27	2.3	1.8	4.0	29	2.6	0.8	3.4
Foreign Material	U.S. No. 1	1.5	1	0.9	0.9	0.9	—	—	—	—	—	—	—	—
	U.S. No. 2	2.5	265	1.1	0.0	2.3	302	1.0	0.0	2.4	276	1.1	0.0	2.4
	U.S. No. 3	3.5	1	3.4	3.4	3.4	—	—	—	—	1	1.1	1.1	1.1
	All lots	N/A	267	1.1	0.0	3.4	302	1.0	0.0	2.4	277	1.1	0.0	2.4
Dockage	U.S. No. 1	N/A	1	0.1	0.1	0.1	—	—	—	—	—	—	—	—
	U.S. No. 2	N/A	257	0.2	0.1	0.7	296	0.2	0.1	0.5	271	0.2	0.1	0.6
	U.S. No. 3	N/A	—	—	—	—	—	—	—	—	1	0.2	0.2	0.2
	All lots	N/A	258	0.2	0.1	0.7	296	0.2	0.1	0.5	272	0.2	0.1	0.6

N/A = Does not apply.

-- = No lots reported in this category.

U.S. SORGHUM EXPORTED, 2003

DISTRIBUTION FOR BNFM — GRADE 2



U.S. SORGHUM EXPORTED, 2003

DISTRIBUTION FOR FM — GRADE 2

